

Title (en)

PRODUCTION LOGS FROM DISTRIBUTED ACOUSTIC SENSORS

Title (de)

PRODUKTIONSPROTOKOLLE AUS VERTEILTEN AKUSTISCHEN SENSOREN

Title (fr)

JOURNAUX DE PRODUCTION PROVENANT DE CAPTEURS ACOUSTIQUES DISTRIBUÉS

Publication

**EP 3427017 A4 20190403 (EN)**

Application

**EP 17764143 A 20170309**

Priority

- US 201662305758 P 20160309
- US 201662305777 P 20160309
- US 201715453730 A 20170308
- US 2017021670 W 20170309

Abstract (en)

[origin: WO2017156331A1] A system and method for monitoring oil flow rates along a producing oil or gas well using a Distributed Acoustic Sensing fiber is described. This system uses the low-frequency component of the acoustic signal as a measurement of temperature variations within the well. The relative flow contributions can then be inferred from these temperature fluctuations.

IPC 8 full level

**G01H 9/00** (2006.01); **G16Z 99/00** (2019.01); **E21B 43/01** (2006.01); **E21B 47/0228** (2012.01)

CPC (source: EP US)

**E21B 47/02** (2013.01 - US); **E21B 47/113** (2020.05 - EP US); **E21B 47/135** (2020.05 - EP US); **G01H 9/004** (2013.01 - EP US); **G16Z 99/00** (2019.01 - EP US)

Citation (search report)

- [XAY] WO 2015170113 A1 20151112 - OPTASENSE HOLDINGS LTD [GB]
- [YA] SELLWOOD STEPHEN M ET AL: "An in-well heat-tracer-test method for evaluating borehole flow conditions", HYDROGEOLOGY JOURNAL, SPRINGER BERLIN HEIDELBERG, BERLIN/HEIDELBERG, vol. 23, no. 8, 29 August 2015 (2015-08-29), pages 1817 - 1830, XP035891540, ISSN: 1431-2174, [retrieved on 20150829], DOI: 10.1007/S10040-015-1304-8
- See references of WO 2017156331A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2017156331 A1 20170914**; AU 2017229850 A1 20180816; AU 2017229850 B2 20211118; CA 3012856 A1 20170914; CL 2018002555 A1 20181221; EP 3427017 A1 20190116; EP 3427017 A4 20190403; EP 3427017 B1 20221102; US 10095828 B2 20181009; US 2018045040 A1 20180215

DOCDB simple family (application)

**US 2017021670 W 20170309**; AU 2017229850 A 20170309; CA 3012856 A 20170309; CL 2018002555 A 20180906; EP 17764143 A 20170309; US 201715453730 A 20170308